



DENVER HEALTH
CENTER FOR ADDICTION MEDICINE™

Overview for the Opioid & Other Substance Use Disorders Study Committee

August 13, 2019

Outline



- Background on Denver Health
- Evolution of MAT & Treatment on Demand
- Data
- CAM
- Gaps/Opportunities

Denver Health

An innovative healthcare system that is a model of success for the nation.

OUR AREAS OF FOCUS

-  **Clinical Care**
Highest quality, low cost provider*
-  **Education**
Academic center teaches the next generation of healthcare workers.
-  **Research**
Ongoing, leading-edge research

ACUTE Center for Eating Disorders

Providing medical stabilization for patients with life-threatening eating disorders—credited with saving more than **800 lives**

Rocky Mountain Regional Trauma Center

Region's top Level I Trauma Center for adults and Level II Center for children = **whole family care**

Community Health Centers

Offering total family care in **9 neighborhood centers** where families need it the most – 400,000+ patient visits completed annually

Denver Public Health

Keeping the public safe through prevention and tracking data – contributing toward decreased smoking and teen pregnancy rates

School-Based Health Centers

Keeping kids in school by providing vital health care to DPS students through **17 in-school clinics**, free of charge

Rocky Mountain Center for Medical Response to Terrorism

Working every day to plan for the "what if" for **5 states**

Denver Health Medical Center

One of Colorado's busiest hospitals with **25,000+** inpatient admissions annually, ranked in the top 5% for inpatient survival

Rocky Mountain Poison and Drug Center

Trusted experts for multiple states and **over 100** national and international brands

Denver Health Medical Plan, Inc.

Keeping our community healthy by providing healthcare insurance to **90,000+**

Denver Health Foundation

Providing **additional resources** that bridge the gap financially to fund special projects and specific needs

Emergency Response

Operating Denver's emergency medical response system, the busiest in the state—handling **100,000 emergency calls** and logging 1 million miles on our emergency vehicles each year

NurseLine

Registered nurses field **200,000+ calls per year** – advising on medical information, home treatment, and when to seek additional care – giving patients peace of mind 24/7

Denver Cares

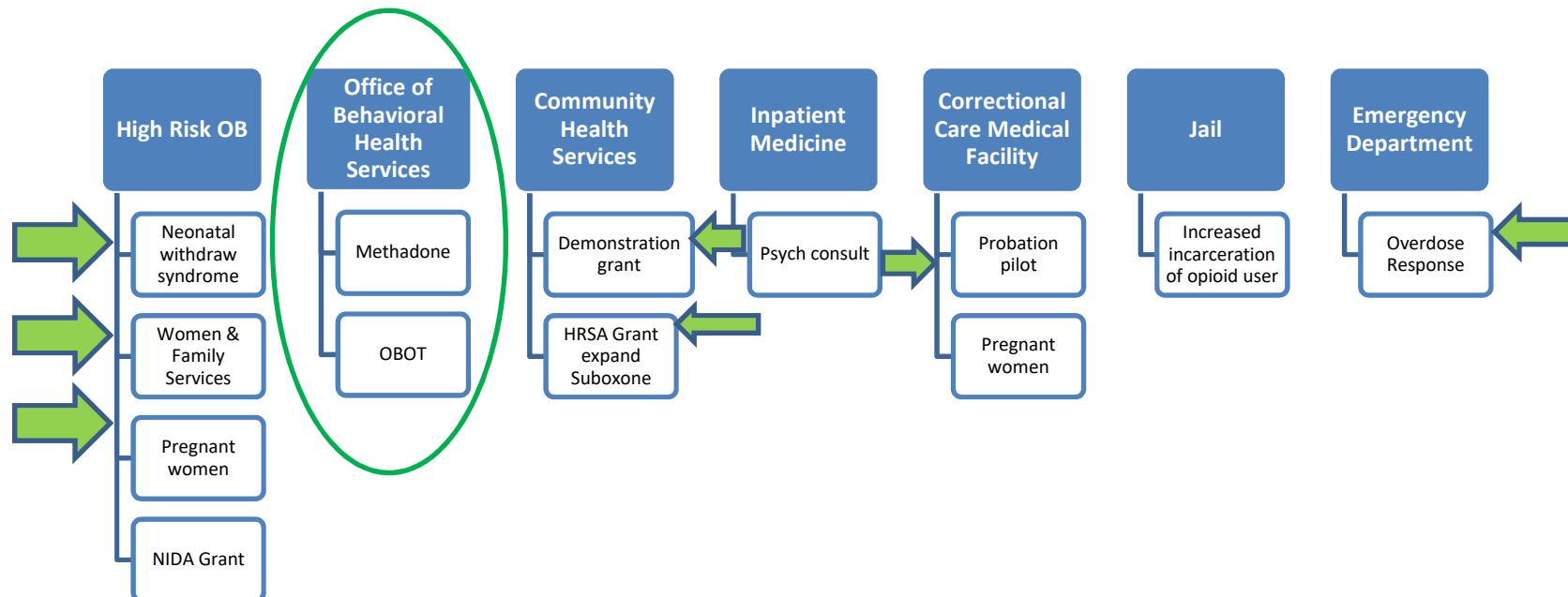
Providing a **safe haven** and detox for public inebriants

Correctional Care

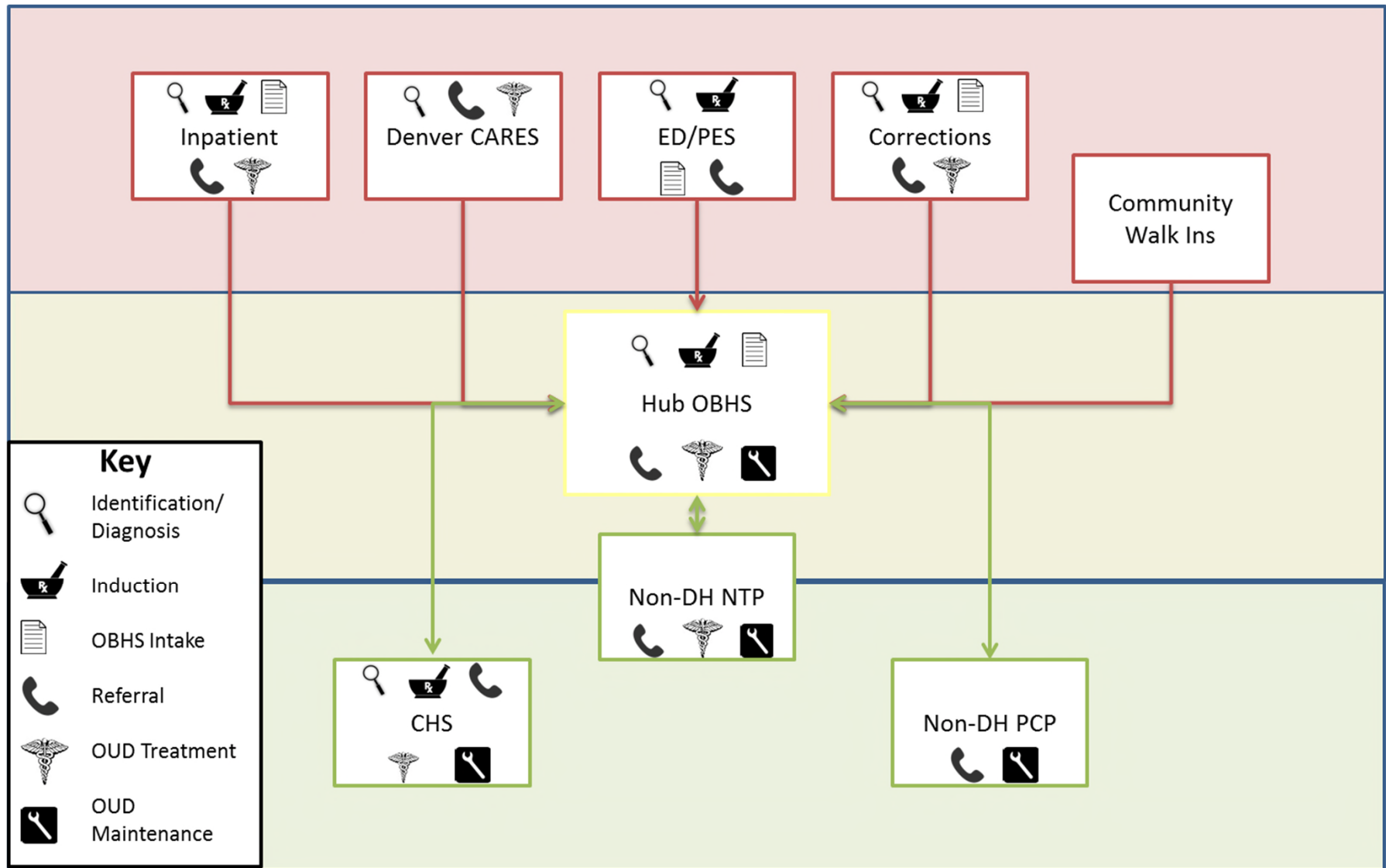
Providing **medical care to prisoners** in Denver's jails and via telemedicine

No Wrong
Door

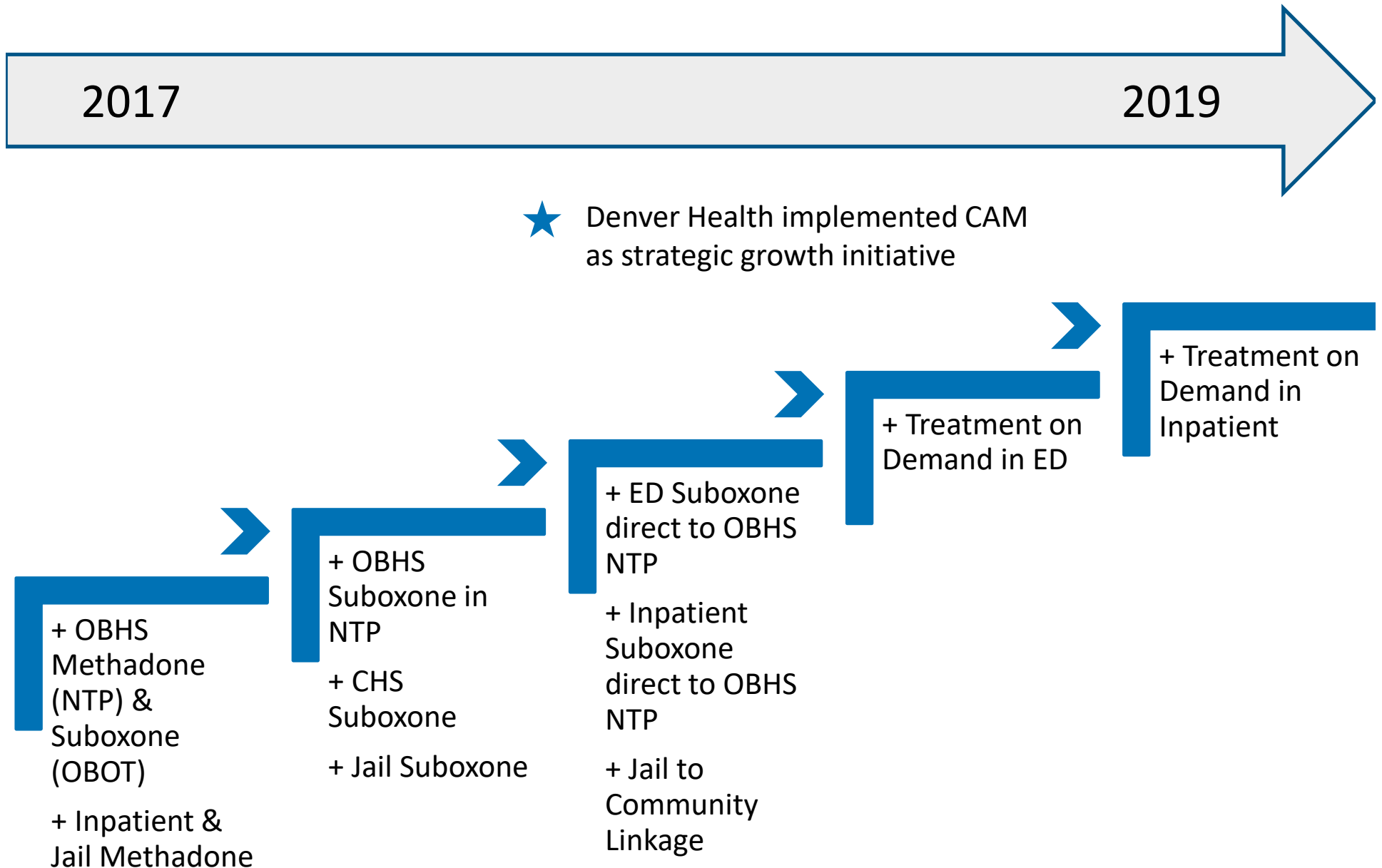
Bidirectional
referral



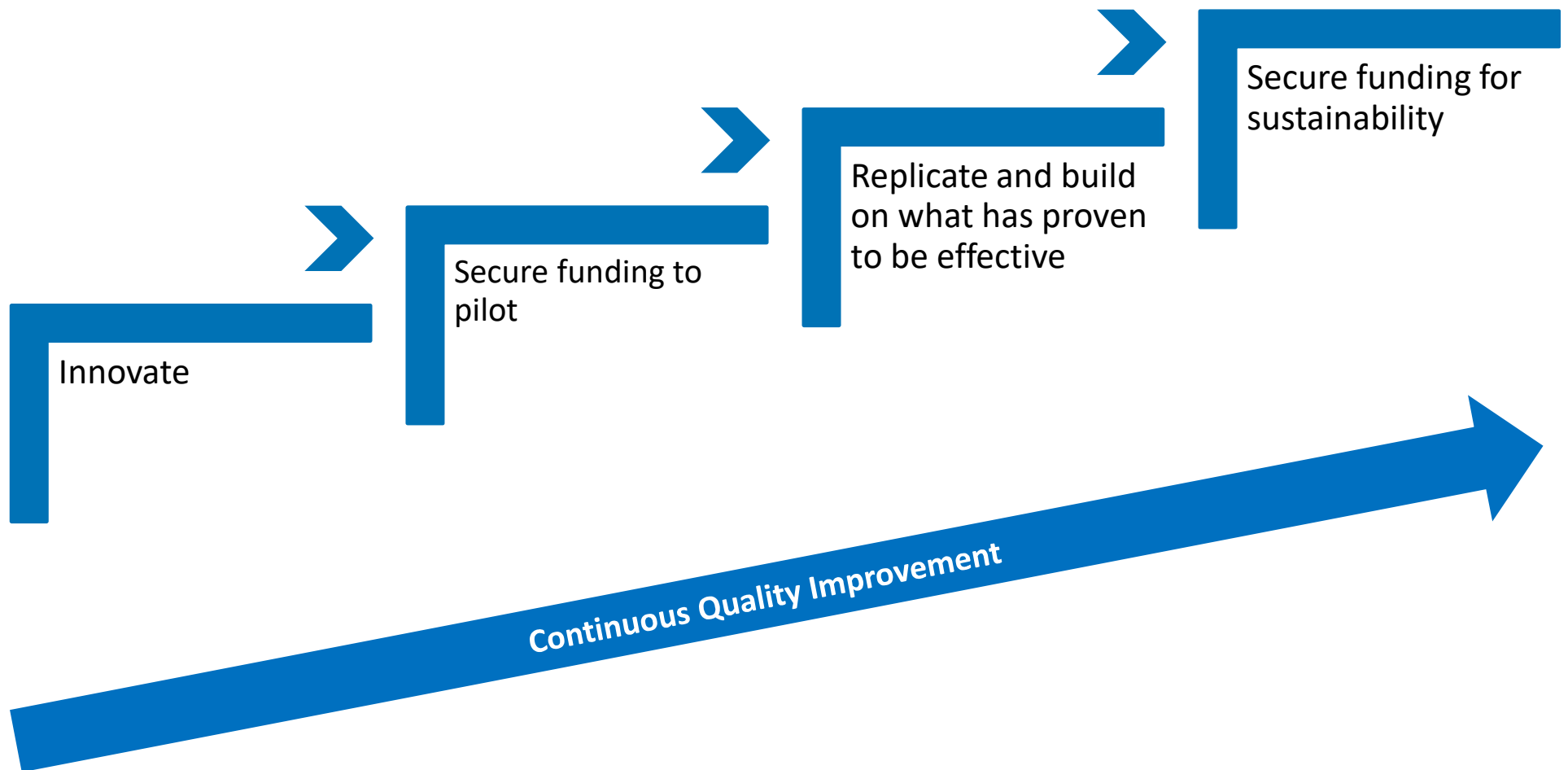
Opioid Hub & Spoke Model



MAT Evolution Across DH



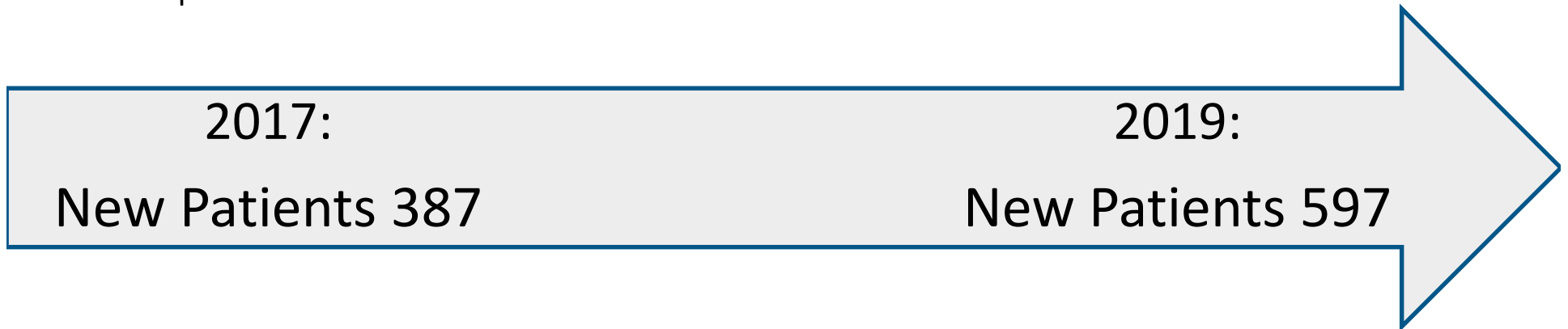
Methods for Implementation



Evolution of NTP Admissions



Comparison of Jan-June 2017 to Jan-June 2019



Total Admissions:

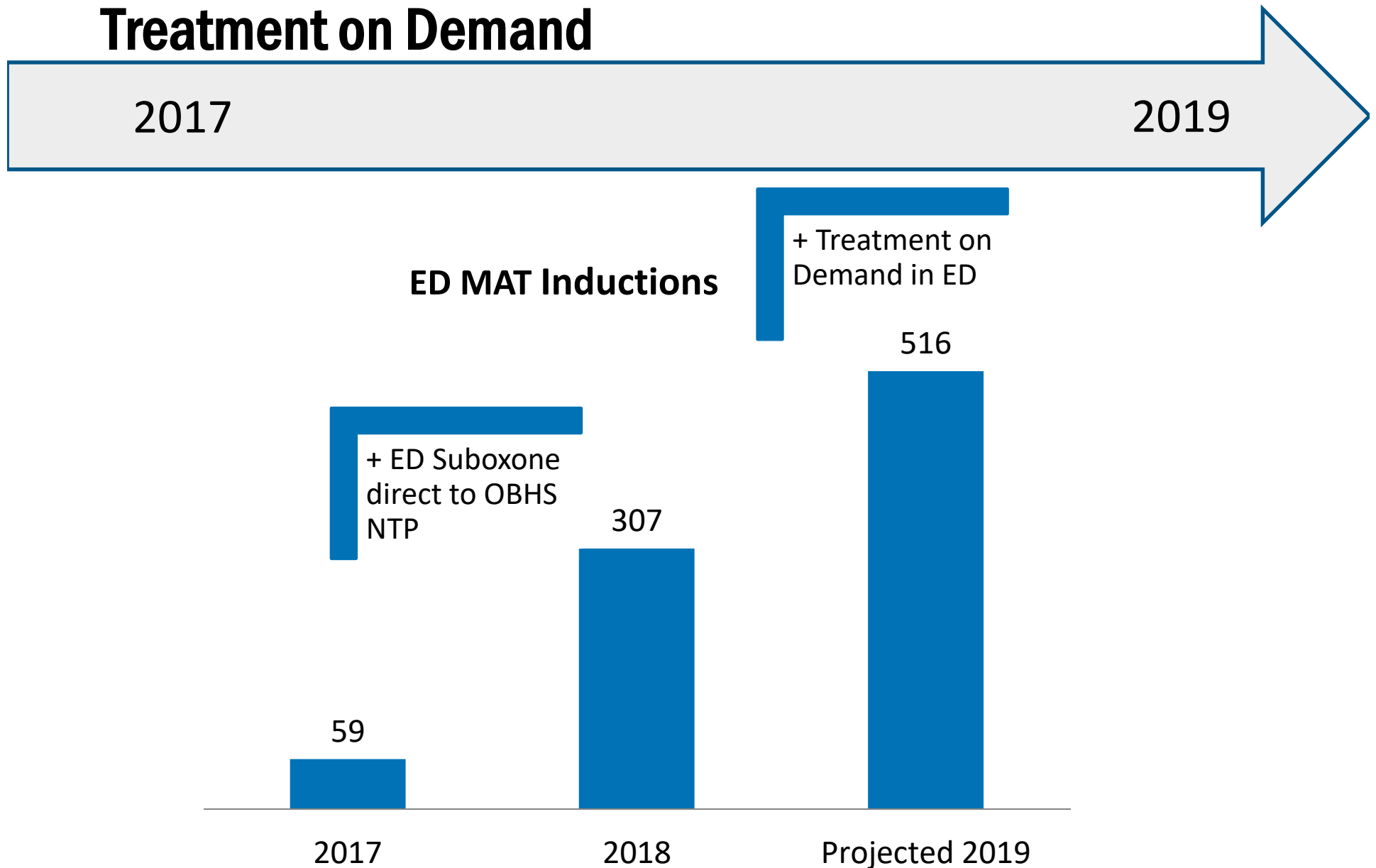
54% increase in admissions to Narcotic Treatment Program since 2017

Demographics:

Increase in admissions among people who are:

- Homeless (94% ↑)
- Without Medicaid (27% ↑)
- 25-35 year olds (25% ↑)
- Male (8% ↑)

Evolution Pre & Post Treatment on Demand



Evolution Pre & Post Treatment on Demand

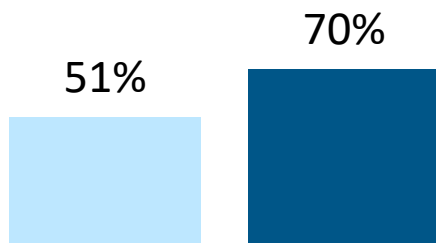
2017

2019

Induction Location	2018	Projected 2019
ED	307	516

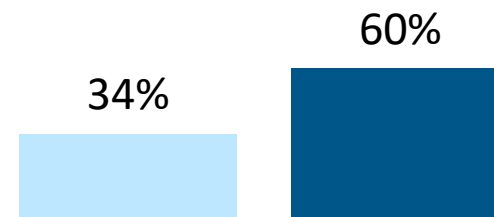
Linkage

■ 2018 ■ 2019



Retention

■ 2018 ■ 2019



Avg Time to Follow-Up:
2018: **7** days | 2019: **2** days

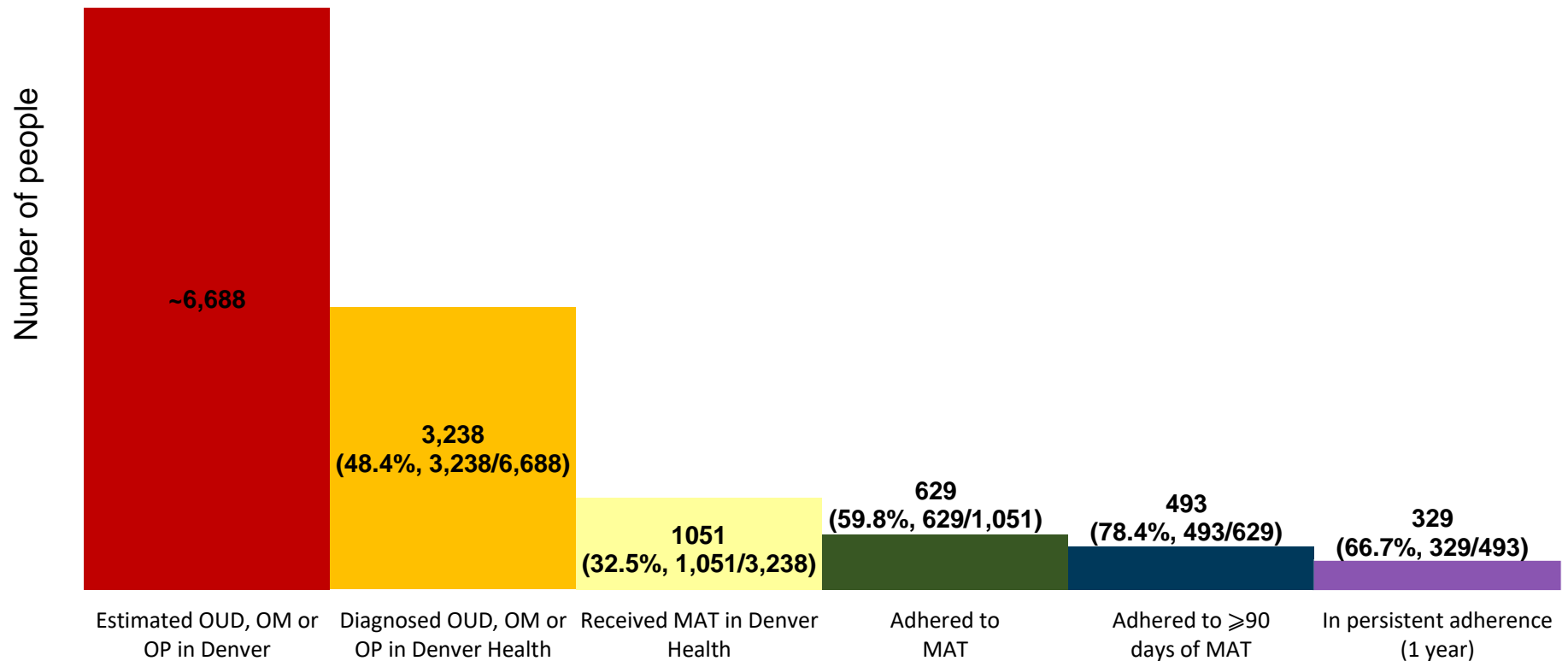
Measuring Success

Baseline data from Denver Health

Published Sept 2019 in Drug and Alcohol Dependence

Goal: Reduce the gaps over time

The Continuum of Opioid Addiction Care in Denver Health in 2017



Mission, Vision, and Values

Mission:

Coordinate the essential health services for persons with substance use disorders.

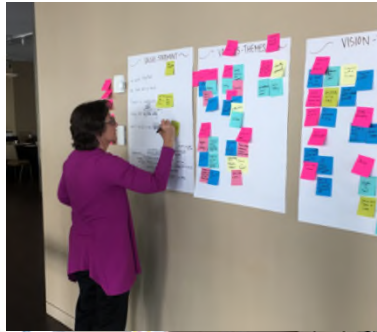
Vision:

To be a compassionate model for the prevention and treatment of substance misuse, to transform lives and to educate all.

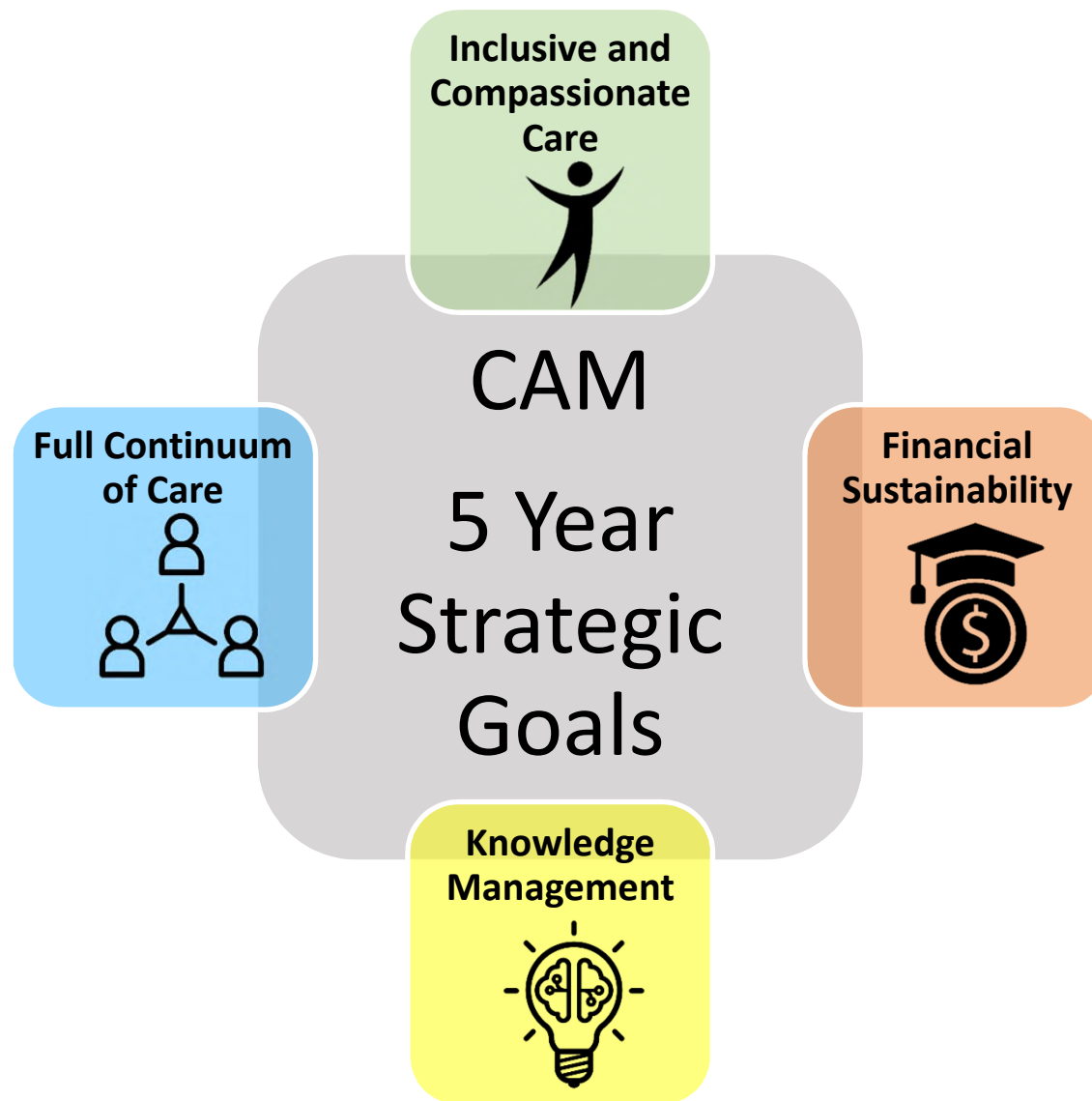
Values:

The Center for Addiction Medicine is committed to:

- ❖ Dignity and equity
- ❖ Community collaboration
- ❖ Passionate professionals
- ❖ Innovative prevention, treatment, research, and education



5 Year Strategic Goals



Role of CAM Across Region

Expand Knowledge-Base

Training:

- Residents
- Fellows
- Advanced Practice Providers

Telehealth:

- Consultation for rural providers
- HRSA grant submitted

Research & Evaluation:

- Share results widely
- Partner with others



Gap/Opportunity:

Reduce Cost of Opioid-Related Hospitalizations



Cost analysis

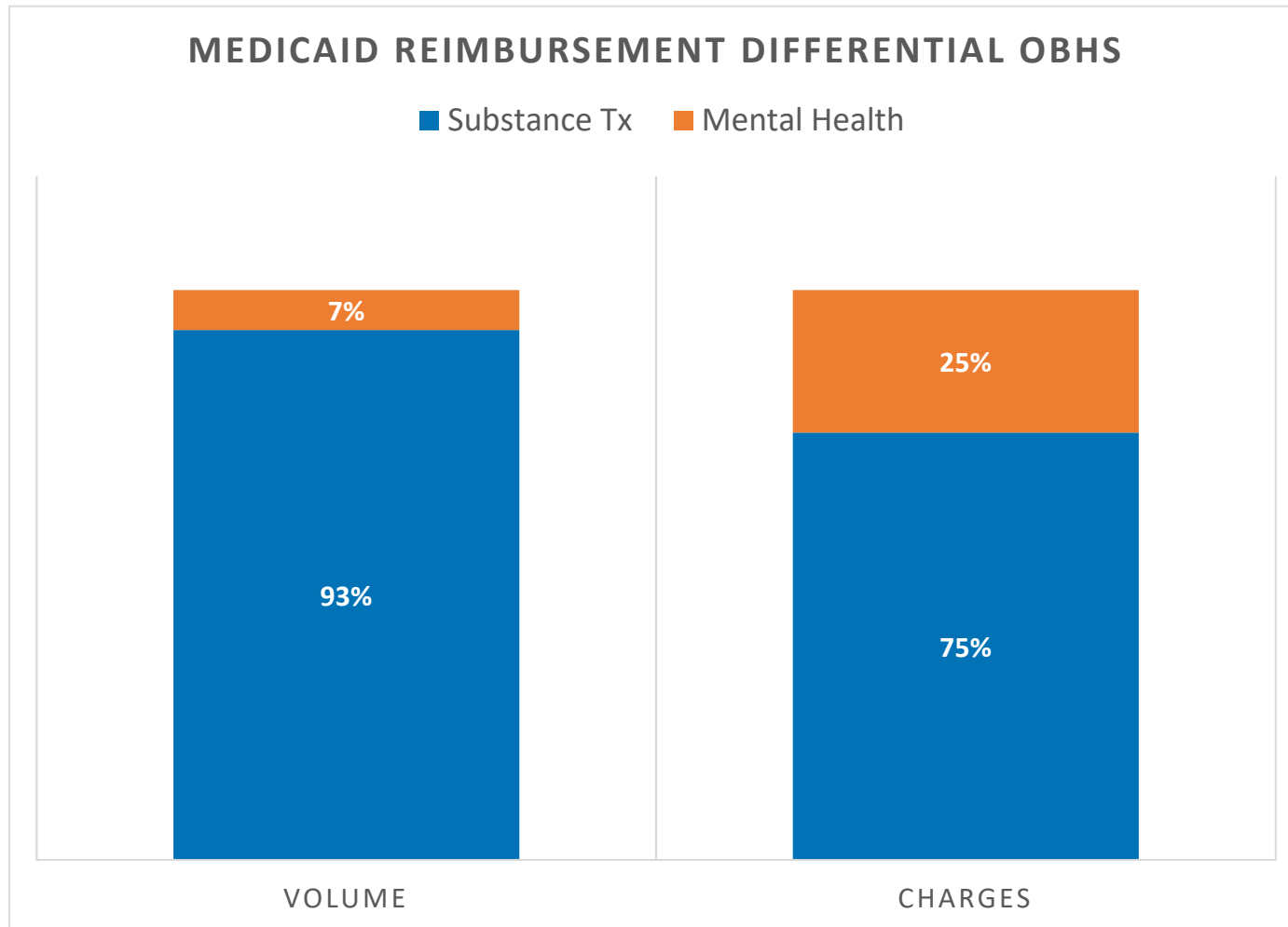
Quantified the # of patients with opioid-related hospitalizations at Denver Health in 2017 and estimated the direct costs.

Results:

- 739 opioid-related hospitalizations
 - 22% re-admissions (577 unique patients)
- \$35 Million total charges
 - Average \$47,406 per opioid-related hospitalization
 - Average reimbursement of \$9,751 (21%)

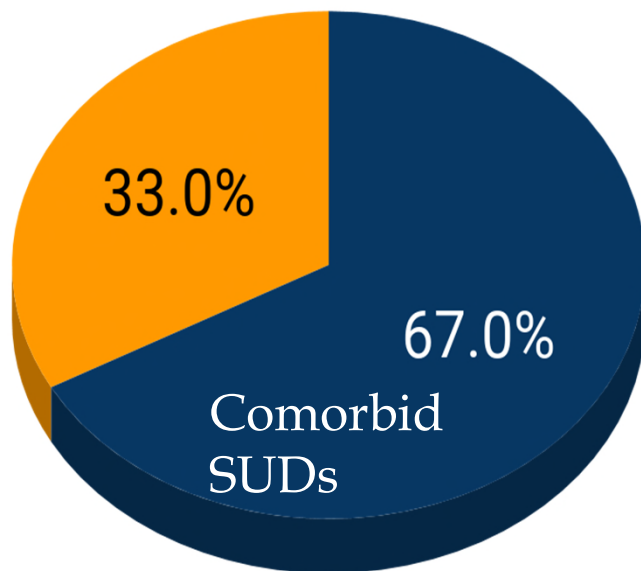
More cost-effective to fund prevention and treatment efforts to reduce re-admissions.

Gap/Opportunity: Payer Parity

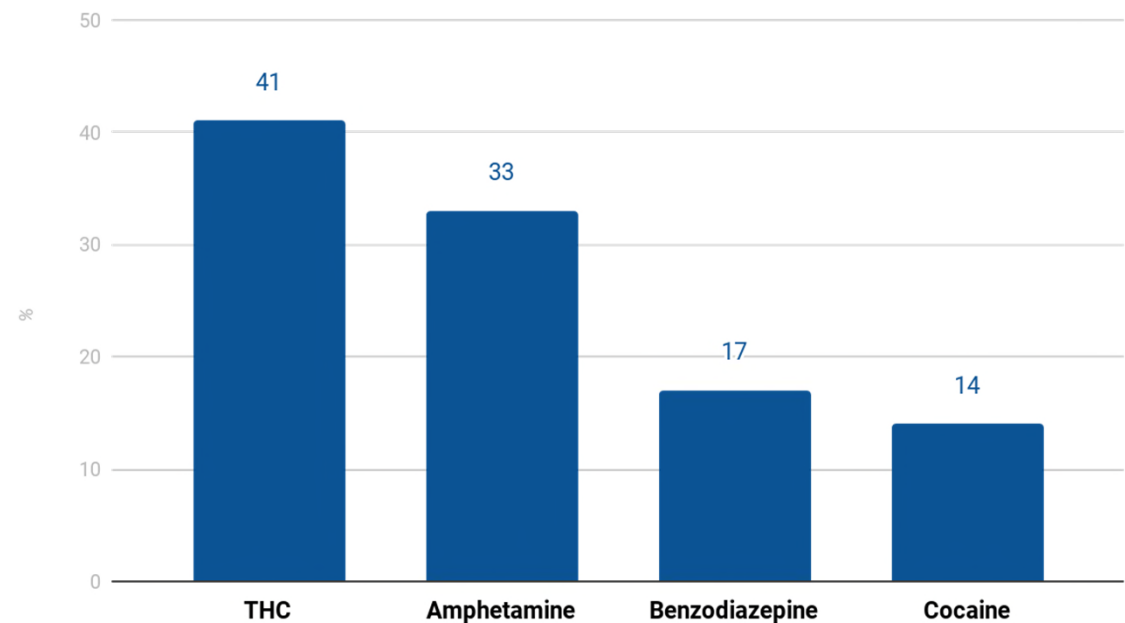


Gap/Opportunity:

Treat Comorbid Substance Use Disorders



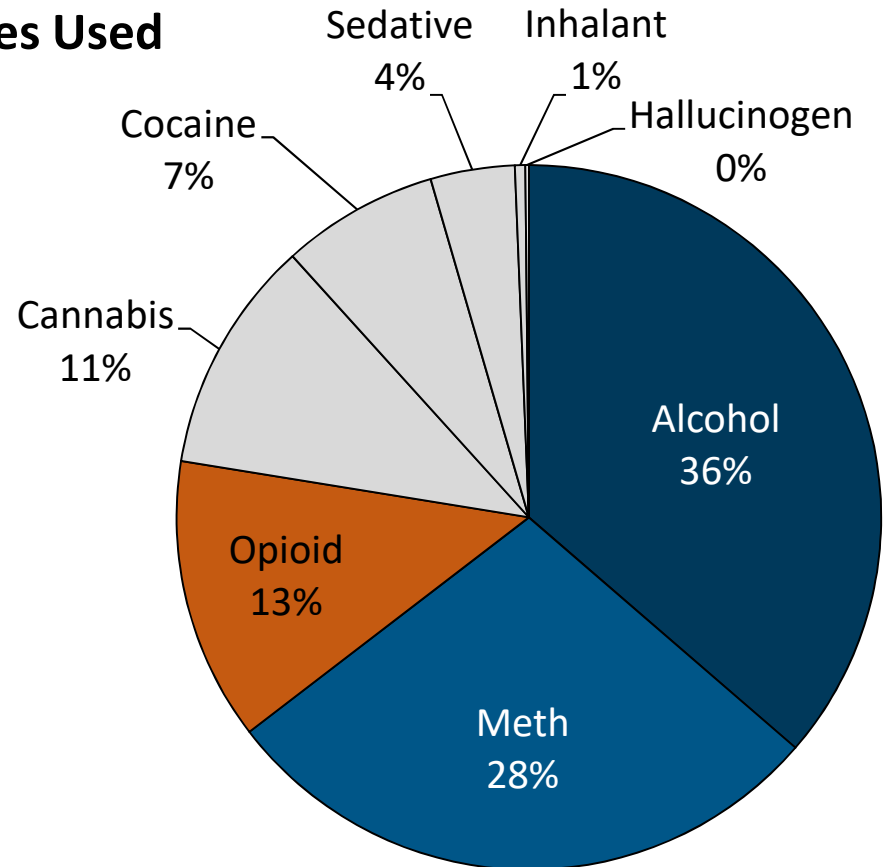
Additional Substances Used by Patients with OUD



Gap/Opportunity: Bolster Non-Opioid Treatment Services

Of the ~5,000 Denver Health hospital admissions of patients with a substance use disorder in 2018, alcohol & methamphetamine use were the most common substances used by patients (64%)

Substances Used



Questions?

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Overdose Awareness Day
Memorial at Rita Bass
August 30, 2019
3-4pm